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LISTING OF CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

 (Currently Amended) A eomputer implemented method <u>for extracting information from</u> an electronic document using a computer server system having one or more processors, the method comprising:

receiving, from a user at the server system, a request for information that includes a definition of a concept list comprising an origin concept, a relationship between the origin concept and an evaluated concept, and a distance representing a strength of the relationship between the origin concept and the evaluated concept, and a target scope that characterizes a size of document region regions to which the concept list is to be applied, wherein the request for information and the target scope are received from a user interacting with the server system through a client device connected to the server system via a network;

receiving, at the server system, a definition of an extraction rule, wherein the extraction rule definition comprises an extraction scope that characterizes [[a]] document region regions to be extracted;

the server system determining a target score for the document regions of the article, wherein the score represents how well [[the]] document regions of the size to which the concept list is to be applied relate to the concept list;

the server system applying the extraction rule to the article to determine an extract document regions characterized by the extraction scope from the article, wherein the application of the extraction rule is based on the determined target score; and

outputting the extract <u>from the server system for the client device</u> in response to the request for information.

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2. (Previously Presented) The method of claim 1, wherein applying the extraction rule

comprises extracting a plurality of extracts.

3. (Currently Amended) The method of claim 2, further comprising the server system

sorting the extracts based on the extraction rule.

4. (Currently Amended) The method of claim 1, further comprising the server system

selecting a first extract from the article for output based on the target score.

5. (Currently Amended) The method of claim 1, further comprising receiving, at the server

system, a target score formula for determining the target score.

6. (Previously Presented) The method of claim 5, wherein determining the target score

comprises using the target score formula.

7. (Previously Presented) The method of claim 1, wherein the request for information

further comprises a gist defined as a vector of weighted concepts.

8. (Previously Presented) The method of claim 1, wherein the request for information

further comprises a concept set that comprises the concept list and a second concept.

9. (Previously Presented) The method of claim 8, wherein the second concept comprises a

product of set operations on two or more other concepts.

10. (Previously Presented) The method of claim 7, wherein the gist comprises a user defined

gist.

11. (Previously Presented) The method of claim 7, wherein the gist comprises a calculated

gist of a document region.

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12. (Previously Presented) The method of claim 1, wherein the document region

characterized by the target scope comprises an article, a sentence, or a term.

13. (Previously Presented) The method of claim 1, wherein the document region

characterized by the extraction scope comprises an article, a sentence, or a term.

14. (Currently Amended) The method of claim 1, further comprising the server system

preprocessing the article, wherein preprocessing comprises:

determining at least one concept associated with the article; and

determining a gist of the article.

15. (Currently Amended) An article for extracting information from an electronic document

using a computer server system having one or more processors, the article comprising one or more

computer-readable data storage media containing program code operable to cause one or more

machines of a server system to perform operations, the operations comprising:

receiving, from a user, a request for information that includes a definition of a concept list comprising an origin concept, a relationship between the origin concept and an evaluated concept,

and a distance representing a strength of the relationship between the origin concept and the

evaluated concept, and a target scope that characterizes a size of document region regions to which

the target rule is to be applied;

receiving, from the user, a definition of an extraction rule, wherein the extraction rule

definition comprises an extraction scope that characterizes [[a]] document region regions to be

extracted:

determining a target score for the document regions of the article, wherein the score

represents how well [[the]] document regions of the size to which the concept list is to be applied

relate to the concept list:

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applying the extraction rule to the article to determine an extract document regions

characterized by the extraction scope from the article, wherein the application of the extraction rule is

based on the determined target score; and

outputting the extract in response to the request for information for use by a client device.

16. (Previously Presented) The article of claim 15, wherein applying the extraction rule

comprises extracting a plurality of extracts..

17. (Previously Presented) The article of claim 16, further comprising sorting the extracts

based on the extraction rule.

18. (Previously Presented) The article of claim 15, further comprising selecting a first

extract from the article for output based on the target score.

19. (Previously Presented) The article of claim 15, further comprising receiving a target

score formula for determining the target score.

20. (Previously Presented) The article of claim 19, wherein determining the target score

comprises using the target score formula.

21. (Previously Presented) The article of claim 15, wherein the request for information

further comprises a gist defined as a vector of weighted concepts.

22. (Previously Presented) The article of claim 15, wherein the request for information

further comprises a concept set that comprises the concept list and a second concept.

23. (Previously Presented) The article of claim 22, wherein the second concept comprises a

product of set operations on two or more other concepts.

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24. (Previously Presented) The article of claim 21, wherein the gist comprises a user defined

gist.

25. (Previously Presented) The article of claim 21 wherein the gist comprises a calculated

gist of a document region.

26. (Previously Presented) The article of claim 15, wherein the document region

characterized by the target scope comprises an article, a sentence, or a term.

27. (Previously Presented) The article of claim 15, wherein the document region

characterized by the extraction scope comprises an article, a sentence, or a term.

28. (Previously Presented) The article of claim 15, further comprising preprocessing the

article, wherein preprocessing comprises:

determining at least one concept associated with the article; and

determining a gist of the article.

29. (Currently Amended) The method of claim 1, wherein[[:]]

the origin concept comprises a group of related words, relationships with other concepts, the

strengths of the relationships, and statistics regarding the usage of the origin concept in a language.

Claims 30.-34. (Canceled)

35. (Previously Presented) The method of claim 1, wherein receiving the definition of the

extraction rule further comprises receiving a definition of a sort order in which extracts are to be

sorted for output.

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36. (Previously Presented) The article of claim 15, wherein receiving the definition of the extraction rule further comprises receiving a definition of a sort order in which extracts are to be

sorted for output.

37. (Previously Presented) The method of claim 1, wherein the distance comprises a

numeric representation of the strength of the relationship between the origin concept and the

evaluated concept.

38. (Previously Presented) The method of claim 1, wherein the relationship comprises one

of "is a product of", "is a part of", "is a kind of", "has kind", or "has part".

39. (Previously Presented) The method of claim 1, wherein the origin concept comprises at

least one search term.

40. (Previously Presented) The method of claim 8, wherein the concept set further

comprises at least one set operation.

41. (Previously Presented) The method of claim 40, wherein the set operation comprises one

of "AND", "OR", and "AND NOT".

42. (Previously Presented) The article of claim 15, wherein the distance comprises a

numeric representation of the strength of the relationship between the origin concept and the

evaluated concept.

43. (Previously Presented) The article of claim 15, wherein the relationship comprises one

of "is a product of", "is a part of", "is a kind of", "has kind", or "has part".

44. (Previously Presented) The article of claim 15, wherein the origin concept comprises at

least one search term

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45. (Previously Presented) The article of claim 22, wherein the concept set further comprises at least one set operation.

46. (Previously Presented) The article of claim 45, wherein the set operation comprises one of "AND", "OR", and "AND NOT".

47. (Currently Amended) A computer-implemented method for extracting a subset of a document using a computer server system having one or more processors, the method comprising:

receiving, from a user at the server system, a request for information that describes a combination of two or more concept lists, wherein each concept list is defined by an origin concept, a relationship between the origin concept and an evaluated concept, and a distance representing a strength of the relationship between the origin concept and the evaluated concept, wherein the two or more concept lists are combined using an operation to define a target definition that is to be detected, wherein the request for information is received from a user interacting with the server system through a client device connected to the server system via a network;

receiving, at the server system, a description of a document region targeted for extraction; accessing a document stored in a document database using the server system;

based on the target definition and the document regions targeted for extraction, using the server system to extracting extract one or more regions of the accessed document; and

the server system making outputting the extracted regions available for output for the client device in response to the request for information.

48. (Previously Presented) The method of claim 47, wherein the origin concepts each comprise a lexical concept defined by a group of related words and relationships with related concepts.